Author Index

Abe H. 460 Agrawal NM, 506 Alexander RA, 790 Alexander-Williams J, 370 Alford RH, 223 Amberg JR, 903 Anastasiou C, 148 Ancill RJ, 425 Anderson PR, 443 Antia FP, 450 Aoki I, 1019 Ardill J, 13 Arndorfer RC, 201, 298, 968 Arroyo V, 127 Arvan D, 813 Aryanitakis C, 841 Ashman M, 487 Avant GR, 223

Ayoub EM, 790 Babb RR, 384 Babbini M, 115 Baker A, 282 Balint, JA, 208 Ball RE, 94 Barker LF, 110 Baron JH, 370 Barreras RF, 201 Bartlett, J, 540, 639 Basso N. 923 Beeken WL, 1003 Benet LZ, 858 Berg M, 134 Bick RL, 741 Binder H.J., 1115 Blair EL, 1123 Bogoch A, 914 Bordas JM, 127 Bose S, 1178 Brasher GW, 454 Braunstein P. 53 Brooks FP, 813 Brown MS, 808 Bruguera M, 127 Bryk D, 727 Buchanan K, 13 Bucknall RC, 430

Bueno L, 1027

Butler ML, 803

Bynum TE, 607

Caprilli R, 115 Carlyle DR, 1196 Carratù R, 115 Castell DO, 195, 703 Castellion AW, 955 Cerda JJ, 790 Chakravorty RC, 981 Chandrasekhara R, 173 Chappelka AR, 377 Chaudhuri Tapan K, 1063 Chaudhuri Tuhin K, 1063 Chaun H, 914 Chawla SK, 1110 Chowdhury AR, 176 Clain DJ, 1 Clemett AR, 274 Collins W.J., 94 Conley DR, 876 Connell AM, 13 Cooksley WGE, 110 Correia JP, 684 Costa JC da, 684 Cove H, 876 Craig RM, 487 Crocos P, 148 Csendes A, 437 Custer LE, 990

Dale G, 1135 Das KM, 971 Datta DV, 961 Davis RE, 977 Deeths TM, 771 Demling L, 309 Desai HG, 450 Deschner EE, 418 Dickman MD, 377 Dobbins WO III, 236 Dodds WJ, 298, 572, 771, 968 Dolan TF Jr, 1071 Dombal FT de, 397 Domschke S, 309 Domschke W, 309 Donnelly WH, 790 Donowitz M. 1115 Dordal E, 487 Dorsey T.J., 94 Dosik MH, 91 Douglass HO, 871 Dowling RH, 835

Duffy PA, 882 Duke GE, 1040, 1047 Dunn GD, 1142 Dwyer JM, 1071 Dyck WP, 454

E Eckert R.J., 882 Ediss I, 914 Einstein N, 282 Eisenberg D, 573 E1 Hindi S, 1035 Elias E, 835 Enwonwu C, 750 Ertan A, 813 Etani N, 460 Evanson OA, 1040, 1047

Falko JM, 583 Fara JW, 346 Farmer RG, 253 Feffer M, 876 Feiss JS, 995 Feldman DS, 866 Feldman EB, 866 Feldman S, 487 Felsenfeld O, 506 Fernandes JP, 684 Filly R, 287 Finestone AJ, 176 Font RG, 506 Foroozan P, 824 Forrest JAH, 482 Friedland GW, 287

G
Gaginella TS, 1171
Galper J, 282
Gardikas C, 148
Geenen JE, 231
Geisel A, 134
Gersh H, 803
Gibson RG, 603
Gilat T, 781
Gill AM, 407
Giri S, 923
Gitnick GL, 182
Glass GBJ, 162
Go VLW, 716
Goldenberg MM, 955
Goldstein HM, 1196

Goldstein JL, 808 Goodhart JM, 359 Gorbach S, 540, 639 Gough KR, 425 Graham DY, 977 Greenberger NJ, 1081 Greene HL, 1142 Greenwald AJ, 1063 Griffen WO, 370 Grund ER, 1123 Gryboski JD, 1071 Guth PH, 365, 824, 847 Gyr K, 506

Haddad IK. 313 Hall FF, 454 Hall WH, 947 Hansky J, 513 Harano Y, 460 Hardin CA, 1081 Harkness WN, 808 Harrod MJE, 808 Harvey RF, 523 Hase T, 443 Hasegawa J, 487 Hatzioannou J, 148 Hayakawa T, 1011, 1019 Hayes R, 13 Heading RC, 1063 Hepner GW, 9, 935 Hietanen E, 31 Higgs, RH, 195 Hirschowitz BI, 603 Hofmann AF, 540, 639 Hogan WJ, 201, 231, 298, 716, 968 Hoke SE, 716, 1059 Holmes AW, 1184 Holyoke ED, 871 Honda K, 626 Honkomp LJ, 955 Horiguchi Y, 1019 Horrocks JC, 397 Hoshi M, 460 Howlett SA, 790 Hoyumpa AM Jr, 1142 Hudson JR, 588 Hudson N, 1035 Hunt DR. 941 Hurwitz AL, 313

I Ingis DA, 253 Innes DL, 613 Isenberg JI, 280 Ivey KJ, 362, 513 J Janowitz H, 540, 639 Johnson LR, 607 Johnson PK, 384 Jones JV, 430 Joseph RR, 691

Kalkhoff RK, 716 Kalra TM, 775 Kalser MH, 588 Kanaghinis T. 148 Katz S, 418 Kaufmann HJ, 494 Kawashima K, 162 Keating JP, 23 Kendall FM, 613 Kern F Jr, 540, 639 Kewenter J, 13 Kidd EG, 359 Kilcoyne RF, 1059 Kirsner JB, 49, 540, 639, 721, 1091 Kleinfeld M. 1067 Kohler PF, 518 Kostuch TE, 1040, 1047 Kraft SC, 540, 639

Laurence BH, 1076 Lenit OS Jr, 995 Leverett FL, 588 Levin B, 721 Levin S, 1184 Levine GM, 1103 Levitan R, 173 Lezoche E, 923 Lieberthal MM, 469 Lilly JO, 121 Lipshutz WH, 882 Litwack D, 613 LiVolsi VA, 325, 475 Lloyd-Still JD, 708 Long FC, 418 LoPresti PA, 1110 Luckman GS, 995 Lydon SB, 298, 968 Lyford C, 214

M Mackay IR, 110 Mackinnon AM, 835 Madden PN, 771 Mainardi M, 280 Mangla JC, 775 Martens RA, 469 Martin GA, 1103

Martin JS, 613 Mascarenhas MJ, 684 Materia A. 923 Maxwell V, 280 Mayer P.J. 1003 McCaffery TD Jr, 121 Meeroff JC, 365, 847 Mehlman B, 443 Mekhijian HS, 583 Menachemi E. 796 Mendeloff AL, 540, 639 Menuck LS, 903 Mildenhall P. 941 Miller IT, 1123 Miller WN, 201, 298 Miller WT, 1103 Milligan FD, 499 Minow RA, 182 Mistilis SP. 110 Mitchell ABS, 407 Moadel E, 727 Modan B, 951 Morris DW, 1103 Morse RS, 1184 Morton WI, 381 Moss AA, 676 Mullinger MA, 914 Munoz JN, 1178

N Nagaraj GS, 671 Nair CR, 961 Nair R, 961 Nakajima S, 1011 Nakamura K, 138 Narisawa T, 928 Necheles H, 134 Nelson JA, 313 Neva FA, 882 Noda A, 1011, 1019

O O'Brien RJ, 208, 354 Okabe S, 138, 626 Orchard RT, 407 Orr JM, 858

P Paré WP, 262 Parkins RA, 407 Parsons C, 362 Paulsen G, 365, 824, 847 Peacock DB, 430 Penka WE, 214 Percy JS, 359 Perillo RP, 1191 Perzin KH, 325, 475 Pessah M, 796 Petreshock EP, 796 Phillips SF, 540, 639, 1171 Pilz CG, 173 Plevy DJ, 995 Pollard J, 1076 Poppe L, 1035 Powell LW, 110

Rabinovitch S, 866 Raizman RE, 882 Ranshaw JC, 764 Read RC, 947 Redman HC, 691 Reed JD, 1123, 1135 Reilly RW, 49 Reisman TN, 588 Rhee JW, 1071 Richens ER, 425 Rodés J, 127 Rodgers JB, 208, 354 Rosenberg JL, 721 Rosenfeld AT, 990 Rozanski J, 1067 Rozen P. 781 Ruckebusch Y, 1027 Russell AS, 359

Salkin L, 613 Sanders DJ, 1123 Sanders RC, 990 Sartor VE, 359 Saylor JL, 1131 Schaedler RW, 377 Schapiro H, 853 Schatzki PF, 981 Schenker S, 223, 1142 Schlaut J, 359 Schmalhorst WR, 741 Schmitt MG Jr, 231 Schoenfield L.J., 99 Schreiner RL, 23 Schwartz DN, 671 Scliros PH, 148 Selwyn JI, 577 Shackelford GD, 23 Shanbrom E, 741

Shani M, 951 Sheahan DG, 1071 Shearman DJC, 482 Sheiner H. 1076 Shephard DAE, 540, 639 Sherbaniuk RW, 359 Sherlock P, 540, 639 Sherwood CE, 573 Shichiri M, 460 Shigeta Y, 460 Shin MS, 42 Short MD, 835 Shorter RG, 540, 639 Shulman ST, 790 Shwachman H. 708 Sileo AV, 1110 Singleton I, 540, 639 Singleton IW, 518 Skibba RM, 1081 Slaughter RL, 603 Smith CL, 13 Smulewicz JJ, 274 Soloway RD, 99, 735, 1103 Solvonuk P, 914 Song CS, 53 Speranza V, 923 Spiekerman AM, 454 Stacher G, 156 Stärker D, 156 Stef J.J., 201, 298 Sternlieb I, 971 Stillman AE, 577 Stobo JD, 540, 639 Strauszer T, 437 Strully LV, 671 Sturdevant RAL, 280 Summerskill WHJ, 1087 Suzuki T, 1011

T
Takagi K, 138, 626
Takeuchi K, 138, 626
Tansy MF, 613
Taylor K, 540, 639
Tedesco FJ, 295, 381, 1131, 1191
Ternberg JL, 23
Thalassinos N, 148
Thayer W Jr, 540, 639
Thomas FB, 583
Thomopoulos D, 148

Thompson MH, 1123, 1135 Toda Y, 1011, 1019 Tomasi TB Jr, 540, 639 Tompkins RK, 182 Trotman BW, 735 Tympner F, 309

U Unger JL, 214 Uribe P, 437

V Venables CW, 1123, 1135 Venugopalan K, 450 Vesell ES, 9 Viana RL, 632

W Wald A, 499 Wall AJ, 721 Watson DW, 540, 639 Wechsler L, 699 Wechsler RL, 572, 699 Weinberg AG, 808 Weisburger JH, 928 Whalen GE, 716 Wicks ACB, 1 Wicks RC, 518 Williams CN, 813 Williams M.J., 425 Wilson DE, 1035 Wilson SD, 1059 Wise L. 1191 Witten DM, 42 Wolfe H, 282 Wong C-O, 928 Wood CB, 786 Wood RAB, 786 Worthington BS, 750 Wright LE, 703 Wright LF, 603 Wu WC, 231, 716

Y Yamada K, 871 Yoshida M, 460 Younoszai MK, 764

Z Zilko PJ, 1076 Zinneman HH, 337

Subject Index

A	В
Absorption	Bacteria, jejunal colonization and indican, 1003
colonic, in rats, 750	Bacteriophage ϕX 174, response to, in Crohn's disease, 430
of butterfat in adults, 914	Bile
of p-glucose in rats, résumé, 1100	acid metabolism in vegetarians, 935
of hexose in rats, rėsumė, 890	duct
of protein in pups, résumé, 596	adenocarcinoma in, 253
Achalasia, treatment of esophageal, 841	vasculature and opening pressure, 613
Acid back diffusion, inhibition by L-glutamine, in rats, 626	formation, in pigs, résumé, 895
Adenocarcinoma	pleuritis, and liver biopsy, 91
in bile ducts, 253	reflux
jejunal	and gastric lesions, in rats, 365
and celiac disease, 796	-induced ulceration, in rats, résumé, 391
metastases from, 990	
primary esophageal, 577	Biliary tract, localization of disease, 699
Adenoma, hepatic, and diarrhea syndrome, 182	Bilirubin UDP-glucuronyltransferase with portal fibrosis
	and liver disease, 961
Adenomatosis, porcine intestinal, résumé, 889	Bismuth subsalicylate, antidiarrheal action, in mouse and
Afferent loop obstruction, simulating pancreatic pseudo- cyst, 995	rat, 955
	Blind loop syndrome, see Stagnant loop syndrome
Agammaglobulinemia, infantile, and enteritis and lympho-	Bombesin, effect on gastrin level, 923
penia, 1071	Book reviews
Albumin metabolism, in dogs, résumé, 594	A Digest of Digestion, rev by EE Carter, 1102
Alcohol, gastric mucosa injury, in mice, 162	Alcoholic Liver Pathology, rev by S Mobarhan, 1102
Alkalosis, hypochloremic metabolic, in cattle, résumé, 595	Atlas of Gastrointestinal Surgery, rev by FL Iber, 899
Allergy, vascular, and hyperalimentation, 1191	Better Bowel Health, rev by FL Iber, 901
Amebic hepatic abscess, diagnosis, 632	Bilayer Lipid Membranes (BLM), Theory and Practice,
Ampicillin-associated diarrhea, 191, 295	rev by CJ Waechter, 1000
Angiography and bleeding after polypectomy, 1196	Clinical Dietetics and Nutrition, rev by FL Iber, 901
Ankylosing spondylitis, leukocyte migration test in, 425	Clinics in Gastroenterology, rev by FL Iber, 190
Annular pancreas, pancreatoduodenectomy to relieve ob-	Coeliac Disease: Proceedings of the Second International
struction of, 671	Coeliac Symposium, rev by R Baum, 900
Antacid vs placebo in gastric ulcer, 803	Differential Diagnosis of Gastric Diseases, rev by R Sam-
Antibiotics associated with colitis, 214, 808	pliner, 898
Antibody response in Crohn's disease, 430	Fiberoscopy of Gastric Disease, rev by R Sampliner, 188
Antidiuretic hormone and canine pancreatic exocrine flow, 853	Gastric Intrinsic Factor and Other Vitamin B ₁₂ Binders, rev by S Amsel, 999
Antipyrine metabolism and cholesterol cholelithiasis, 9	Gastric Irradiation in Peptic Ulcer, rev by AE Cocco,
Arteriography	188
of amebic hepatic abscess, 632	Gastrointestinal Angiography, Vol 1 in Saunders Mono-
of bleeding Meckel's diverticulum, 573	graphs in Clinical Radiology, rev by FL Iber, 701
Ascites	Gastrointestinal Pathophysiology, rev by FL Iber, 189
chylous, in celiac sprue, 494	Let's Talk About Food, rev by FL Iber, 899
pancreatic, 1178	
and endoscopic pancreatography, 977	Obesity: Causes, Consequences, and Treatment, rev by
and lipase, 1110	FL Iber, 292
Aspirin	Parenteral Nutrition in Acute Metabolic Illness, rev by
-induced gastric lesions, in rats, 847	FL Iber, 292
-induced lesions, inhibited by L-glutamine, in rats, 626	Pediatric Clinical Gastroenterology, rev by FL Iber, 189
Autoimmunity in alcoholic cirrhosis, 337	Physiology of Mastication, Volume I, rev by LM Staling,
Avian tuberculosis in a horse, résumé, 598	999
Azathioprine, treatment for Crohn's disease, 721	Progress Reports from Gut, Series 2, rev by FL Iber, 999

Recent Advances in Gastroenterology, rev by FL Iber, 187

The Alimentary Tract—Basic Principles and Case Problems, rev by FL Iber, 702

The Esophagus, rev by FL Iber, 900

The Liver: Normal and Abnormal Functions, Part A, rev by FL Iber. 898

The Neurology of Gastrointestinal Disease, Vol 3 in Major Problems in Neurology, rev by FL Iber, 701 Topics in Gastroenterology, Vol 1, rev by FL Iber, 187

Total Parenteral Nutrition, rev by FL Iber, 292 Bovine paratuberculosis, résumé, 597

Bowel

inflammatory disease of, 540, 639 and salicylazosulfapyridine, 971 small, resection, and B₁₂ absorption, 835

Bromazepam, inhibition of gastric secretion, in man, 156 Butterfat absorption in adults, 914

C

Calcitonin, gastric effect, in rats, résumé, 894

Cancer

aberrant DNA synthesis in, 418 esophageal, in Israel, 951

induced colonic, in mice, résumé, 890, 1099 induced pancreatic, in hamsters, résumé, 894

Carbenoxolone, effect on ulceration and mucus secretion in rats. 134

Carcinoembryonic antigen in ulcerative proctocolitis, 407 Carcinoid syndrome and jejunal secretion, 1115

Carcinoma

esophageal, and hypercalcemia, 173 prostate, and rectal involvement, 42

Castor oil, see Ricinoleic acid

Celiac disease

and jejunal adenocarcinoma, 796 and vitamin B₁₂ absorption, 835

Celiac sprue, and chylous ascites and hypertrophy, 494

Chagas' disease

esophageal motility in, 437 megaesophagus in, 882

Chocolate and LES pressure, 703

Cholangiocarcinoma and thorotrast, 384

Cholangiography

complications of, 691

in localizing pathology, 699

Cholangitis, complication in fibrosis, 790

Cholecystography, oral, 727

Cholecystokinin and jejunal perfusion, 813

Cholelithiasis

and antipyrine metabolism, 9 in treated rabbits, résumé, 897 pigment vs cholesterol, 735

Cholera toxin and PGE in intestinal secretion, 1035

Cholesterol, serum

in treated rabbits, résumé, 897

level after hydrophilic colloid ingestion, 469

Cirrhosis

alcoholie, and autoimmune phenomena, 337

clindamycin disposition and elimination in, 223 hypernatremia in, 127

Clindamycin

-associated colitis, 214

use in cirrhosis, 223

Colitis

clindamycin-associated, 214

lincomycin-associated, 808

ulcerative

and anaphylactoid purpura, 487

epithelial cells and leukocytes in, 236

leukocyte migration test in, 425

with pulmonary vasculitis, 482

Colloids, hydrophilic, and serum cholesterol, 469

Colon

cancer induced in mice, résumé, 890, 1099

disorders and fiber deficiency, 49

pancreatitis-associated strictures of, 941

protein absorption, in rats, 750

Coloscopy, complications of, 231

Computer-aided diagnosis of dyspepsia, 397

Congenital esophageal diaphragm, endoscopy of, 781

Congenital hepatic fibrosis, with cholangitis, 790

Copper, intestinal absorption of, résumé, 392

Crohn's disease

antibody response in, 430

azathioprine treatment of, 721

leukocyte migration test in, 425

transplantation (HL-A) antigens in, 359

Cryptosporidosis, intestinal, in monkeys, résumé, 1098

D

Diabetes

and chronic pancreatitis, 1

pancreatic function in, 309

Diarrhea

ampicillin-associated, 191, 295

in hepatic adenoma, 182

Dilation

acute gastric, pathogenesis of, résumé, 597

forceful pneumatic, of achalasia, 841

pneumatic, in Chagas' disease, 882

5,5-Dimethyl-2,4-oxazolidinedone

pancreatic excretion of, 1011

with chronic pancreatitis, 1019

Disaccharidase, development and activity, in calf, résumé, 893

Diverticulum

bleeding Meckel's, arteriography and radioisotope imaging of, 573

giant sigmoid, 676

DNA

content in gastric aspirate, 450 synthesis of aberrant, in cancer, 418

absorption, effect of fasting, in rats, 858 inhibition of rat glucuronyltransferase, résumé, 897

Duodenum

absorption and secretion, in rabbits, résumé, 393 electrical activity, in turkeys, 1047 extract of, action in cats and turkeys, résumé, 1099 fiberoptic endoscopy of tumors, 499 lipomas of, 771 microflora of, in children, 708 rhabdomyosarcoma of, 871 ulcer of, and metiamide, 1135

Dyspepsia, computer-aided diagnosis, 397 Dysphagia, oropharyngeal, 313

Encephalopathy, portal systemic, 176 Endoscopy evaluation, in rat tumors, 928

vs radiography in gastrointestinal bleeding, 1103

reversible, in agammaglobulinemia, 1071 viruses in children and calves, résumé, 393 Enteropathy, and lymphangioma, 1076 Enteroscopy, in diagnosis of gastrointestinal hemorrhage,

876 Epithelial cell migration, in chickens, résumé, 596 Equine intestine, résumé, 391 Equine peritoneal fluid, résumé, 595

Esophageal motility, see Motility, esophageal Esophagomyotomy, of achalasia, 841

Esophagus

cancer of, in Israel, 951 columnar-lined primary adenocarcinoma of, 577 diffuse leiomyomatosis of, 684 endoscopic biopsy, 775 fiberoptic endoscopy of, 781 metastatic melanoma of, 786 pressure recording and assembly diameter, 968 treatment of achalasia, 841 Ethanol and lipid enzymes, in rats, 354

Extrahepatic biliary obstruction, 583

Fiber deficiency and colonic disorders, 49 Fiberoptic endoscopy of congenital esophageal diaphragm, 781 of duodenal tumors, 499 Fibrosis, portal, and UDP-glucuronyltransferase, 961 Fibrous polyps, see Polyps, fibrous Finney pyloroplasty, 947 Fistula, paraprosthetic-enteric, 1081 Folic acid absorption, in monkeys, résumé, 892

G

Gallbladder bile opacification and layering, 727 Gallstones, 735

Gastric acid secretion

after pyloroplasty, 947

inhibition

by bromazepam, in man, 156

in Zollinger-Ellison syndrome, 280

in piglets, résumé, 891

insulin-stimulated, in man, 156

Gastric aspirate, DNA content of, 450

Gastric emptying time, measurement techniques, 1063

Gastric function tests, 370

Gastric involvement in syphilis, 588

Gastric mucosa

injury by alcohol, in mice, 162 pepsin output after disruption, 362

Gastric secretion

and stress-ulcer formation, 443 inhibition, in rats, 138

Gastrin

concentration, and LES pressure, 201 effect of bombesin on level, 923 release, and vagal stimulation, 13

level in Zollinger-Ellison syndrome, 513

relation to LES pressure, 603

Gastroduodenoscopy, 871

Gastroenterology programs (editorial), 1091

Gastroesophageal reflux, see Reflux, gastroesophageal Gastrointestinal bleeding, endoscopy vs radiography, 1103 Gastrointestinal disorders, pediatric microflora in, 708 Gastrointestinal hormones, vascular effects, in rats, 346 Gastrointestinal motility, see Motility, gastrointestinal

Gastrointestinal tract, foreign objects in, 121

Giant sigmoid diverticulum, 676

Glucagon, effect on LES tone, 716

p-glucose, absorption in rat intestine, résumé, 1100

Glucose transport, and rumen development in sheep, résumé, 394

Glucuronyltransferase, drug inhibition, in rats, 897 L-Glutamine, inhibition of gastric irritation, in rats, 626

Heineke-Mikulicz pyloroplasty, 947 Hemobilia, complication of cholangiography, 691 Hemorrhage

control in chronic liver disease, 741 gastrointestinal, in ulcers, 876

active chronic, B antigen and antibody in, 110 acute viral, 148

chronic, 1087

infectious canine, résumé, 894

type B, and lymphocyte function, 518

Hexose, absorption in rat pups, résumé, 890

1208

Digestive Diseases, Vol. 20, No. 12 (December 1975)

Histamine, and bile-duct pressure, 613	hemorrhage control in chronic, 741
Hormones	UDP-glucuronyltransferase in, 961
enteric, LES response to, 716	fatty, 1142
gastrointestinal	Lower esophageal sphincter
control of motility, 523	cholinergic stimulation of, 195
vascular effects, in rats, 346	pressure
Hydrochloric acid and pepsin secretion, 607	after vagotomy and antrectomy, 195
Hyperalimentation, and allergic vasculitis, 1191	and gastrin concentration, 201
Hypercalcemia, and esophageal carcinoma, 173	and intraabdominal pressure, 298
Hypercholesterolemia, 469	and serum gastrin level, 603
Hypernatremia, 127	effect of chocolate, 703
Hypokalemia, in cattle, résumé, 595	response to enteric hormones, 716
	Lower esophageal webs, 381
I	Lundh test, 506
Ileitis, typhoid, 94	Lymphangiomyoma, cystic, and enteropathy, 1076
Ileum	Lymphocyte function in type B hepatitis, 518
absorption and secretion, in rabbits, résumé, 393	Lymphopenia, and agammaglobulinemia, 1071
activity and pressure, in turkeys, 1040	
vitamin B ₁₂ absorption, 835	M
Immune response in Crohn's disease, 430	Mallory-Weiss syndrome, 1131
Immunoglobulin, human pancreatic, 454	Manometry
Indican, and jejunal colonization, 1003	assembly diameter, 968
Inflammatory bowel disease, see Bowel	in Chagas' disease, 882
Intestine	Megaesophagus in Chagas' disease, 882
complications of intubation, 1067	Melanoma, metastatic esophageal, 786
quantitation of tissue, 760	Metabolism, hepatic and mucosal, 31
Ischemia-induced gastric ulcer, in rats, 824	Metastasis
	from jejunal adenocarcinoma, 990 to the stomach, 903
Journalise in minutinis said thorony, 202	N-Methyl-N-nitrosourea, and colon cancer in mice,
Jaundice, in nicotinic acid therapy, 282	résumé, 1099
Jejunoileal shunt, 395	Metiamide
Jejunum	and duodenal ulcer, 1135
adenocarcinoma of	and gastric acid secretion inhibition, 280
and celiac disease, 796	and Zollinger-Ellison syndrome, 1123
and metastases from, 990	Microflora
bacterial colonization, 1003	in duodenum of children, 708
effect of surfactants, in rats, 866	in gut, with ileoproctostomy, 377
electrical activity (ovine), 1027	Motility
lecithin absorption, in rats, 208	esophageal, in Chagas' disease, 437
secretions, and carcinoid syndrome, 1115	gastrointestinal, hormonal control, 523
	ileal, in turkeys, 1040
L	Mucosa, gastric, and aspirin-induced lesions, in rats, 847
Lecithin, jejunal absorption, in rats, 208	Multipurpose biopsy tube, 775
Leiomyomatosis, esophageal, 684	Muscular hypertrophy, in celiac sprue, 494
LES, see Lower esophageal sphincter	in the specific of the specifi
Leukocyte migration test, 425	N
Lincomycin-associated colitis, 808	Nicotinic acid therapy and jaundice, 282
Lipase, and diagnosis of pancreatic ascites, 1110	Norepinephrine, and bile-cut pressure, 613
Lipid enzymes, effect of ethanol, in rats, 354	
Lipoma, gastroduodenal, 771	P
Liver	Pancreas
biopsy and bile pleuritis, 91	and 5,5-dimethyl-2,4-oxazolidinedione excretion, 1011
disease	ascites of, 1178
cholangiographic localization, 699	cancer induced, in hamsters, résumé, 894
enterocephalopathy in chronic, 176	lipase in diagnosis of ascites, 1110

pseudocysts, and ultrasonography, 1059 Radioisotope imaging, 573 silent pseudocysts of, 583 Radioisotopes, and gastrointestinal disease, 53 Pancreatic exocrine function Radioselenium, and exocrine function, 460 radioselenium in test of, 460 Rectum, involvement in prostate carcinoma, 42 secretin and Lundh tests of, 506 Reflux Pancreatic fluid, immunoglobulins in, 454 esophagitis, diagnosis, 775 Pancreatic function, in juvenile diabetics, 309 gastroesophageal, and chocolate, 703 **Pancreatitis** Reye's syndrome, 1184 -associated colonic strictures, 941 Rhabdomyosarcoma, duodenal, 871 chronic Ricinoleic acid, 1171 and 5,5-dimethyl-2,4-oxazolidinedione excretion, 1019 Round heart disease, in turkeys, résumé, 896 in African diabetics, 1 complication of cholangiography, 691 Pancreatoduodenectomy in annular pancreas, 671 Salicylate-induced gastric erosions, 31 Pancreatography, endoscopic, 977 Salicylazosulfapyridine, and bowel disease, 971 Pancreozymin-secretin test, 460 Salmonella drug resistance, résumé, 392 Panendoscopy, in Mallory-Weiss syndrome, 1131 Secretin Paratuberculosis, bovine, résumé, 597 effect on LES tone, 716 Pepsin stimulation with HCl, 607 porcine, and action in cats and turkeys, résumé, 1099 Percutaneous transhepatic cholangiogram, complications test of pancreatic exocrine function, 506 of. 691 Serum cholesterol, see Cholesterol, serum Placebo vs antacid in gastric ulcer, 803 Sphincter pressure, gastroesophageal, in Chagas' disease, Polyinosinic-polycytidylić acid, effect in dogs, résumé, 894 437 Polypectomy Spleen, wandering, torsion of, 274 management of bleeding after, 1196 Stagnant loop syndrome in childhood, 23 snare, 121 Stomach Polyposis cystic polyposis of, 981 and aberrant DNA synthesis, 418 electrical activity, in turkeys, 1047 gastric cystic, 981 lipomas of, 771 Polyps, fibrous metastatic disease of, 903 inflammatory esophageal, 475 Surfactants, effect on rat jejunum, 866 of the small intestine, 325 Syphilis, gastric involvement in, 588 Postcricoid impression, 287 Proctocolitis effect of drugs on, 115 ulcerative, carcinoembryonic antigen in, 407 Taurocholic acid, mucosal disruption by, 362 Prostaglandin E, and intestinal secretion, 1035 Thorotrast, and cholangiocarcinoma, 384 Prostate, carcinoma of, 42 Tobacco powder infusion, effect on gastric DNA, 450 Protein absorption Transplantation antigens, in Crohn's disease, 359 colonic, in rats, 750 Tuberculosis, avian, in horses, résumé, 598 in pups, résumé, 596 Tumors Prothrobin complex and control of hemorrhage, 741 duodenal, endoscopy of, 499 Pseudocysts esophageal pancreatic, and ultrasonography, 1059 leiomyomas, 684 silent pancreatic, 583 postcricoid impression masquerading as, 287 Pseudotumors, see Polyps, fibrous Typhoid ileitis, 94 Purpura, anaphylactoid, and colitis, 487 Pyloroplasty, gastric acid secretion after, 947 II Ulcer Quantitation of intestinal tissue, 764 activity-stress, in rats, 263 chronic gastric, in rats, 824

Radiography

in Chagas' disease, 882

vs endoscopy in gastrointestinal bleeding, 1103

duodenal

and metiamide, 1135

acetylcholinesterase activity in, 191

duodenal-jejunal, hemorrhaging, 876 gastric, antacid vs placebo in, 803 peptic, serum gastrin level in, 513 stress, 443

Ultrasonography of pancreatic pseudocyst, 1059

V

Vagus, stimulation of, and gastrin release, 13 Vasculitis allergic, in hyperalimentation, 1191 pulmonary, and colitis, 482 Vegetarianism, bile-acid metabolism in, 935 Vitamin B₁₂ absorption, 835 in porcine blood and liver, *résumé*, 892

X

D-Xylose absorption, in monkeys, résumé, 892

Z

Zollinger-Ellison syndrome and metiamide, 1123 gastric acid secretion inhibition in, 280 LES response to enteric hormones in, 716 serum gastrin levels in, 513



CONTENTS

JANUARY

Chronic Pancreatitis in African Diabetics	A. C. B. Wicks and D. J. Clain	1
Normal Antipyrine Metabolism in Patients with Cholesterol Chol Not Due to Generalized Hepatic Microsomal Dysfunction	elithiasis: Evidence that the Disease Is Gershon W. Hepner and Elliot S. Vesell	9
Control Factors in the Release of Gastrin by Direct Electrical Stimu C. L. Smith, J. Kewenter, A. M. Connell.	9	13
The Stagnant Loop Syndrome in Childhood: Review and Report of Richard L. Schreiner, Jessie L. Ternberg, Gary		23
Mucosal and Hepatic Metabolism During the Spontaneous Disap Erosions		31
Unusual Involvement of the Rectum by Carcinoma of the Prostate		42
Conference Report:		
Fiber Deficiency and Colonic Disorders Ri	chard W. Reilly and Joseph B. Kirsner	49
Progress Report:		
The Uses and Limitations of Radioisotopes in the Investigation of		
	Philip Braunstein and Chull S. Song	53
Case Reports:		
Bile Pleuritis: Another Complication of Percutaneous Liver Biop	,	91
Typhoid Ileitis with Hemorrhage: A Case Report with New The		0.4
News and Notices	Robert E. Ball, and Thomas J. Dorsey	94
116 W W W 1 TO SHE S		9/
FEBRUARY		
Effects of Meals and Interruption of Enterohepatic Circulation on terol Saturation of Bile in Man after Cholecystectomy Roge	Flow, Lipid Composition, and Choleser D. Soloway and Leslie J. Schoenfield	99
Hepatitis B Antigen and Antibody in Active Chronic Hepatitis and Multicenter Collaborative Study	d Other Liver Diseases in Australia: A	
W. G. E. Cooksley, L. W. Powell, S. P. M	istillis, I. R. Mackay, and L. F. Barker	110
A Double-Blind Comparison of the Effectiveness of Azathioprine tocolitis: Preliminary Report	and Sulfasalazine in Idiopathic Proc- . Caprilli, R. Carratú, and M. Babbini	115
The Management of Foreign Affairs of the GI Tract Thomas	D. McCaffery, Jr., and James O. Lilly	121
Hypernatremia Following Gastrointestinal Bleeding in Cirrhosis w J. Rodés, V. Ai	ith Ascites rroyo, J. M. Bordas, and M. Bruguera	127
The Influence of Carbenoxolone on Steroid-Induced Ulcer and Muc Max Berg, A	rus Secretion in the Rat Anthony Geisel, and Heinrich Necheles	134
Influence of the Proximal Small Intestine on the Gastric Hypersecre Susumu Okabe, Koji Takeuchi	tion of Pylorus-Ligated Rats i, Keita Nakamura, and Keijiro Takagi	138
Plasma a-Lipoprotein Pattern in Acute Viral Hepatitis		
N. Thalassinos, J. Hatzioannou, Ph. Scliros, T.	Kanaghinis, C. Anastasiou, P. Crocos, D. Thomopoulos, and C. Gardikas	148
Inhibitory Effect of Bromazepam on Insulin-Stimulated Gastric Aci	d Secretion in Man G. Stacher and D. Stärker	156
Alcohol Injury to Gastric Mucosa in Mice and Its Potentiation by St	tress	
Koichiro I	Kawashima and George B. Jerzy Glass	162

Case Reports:		
Hypercalcemia Associated with Esophageal Carcinoma in the Ab	osence of Bone Metastasis	
Ramaswamaiah Chandrasekhan	ra, Clifford G. Pilz, and Ruven Levitan	173
, , , ,	ab Chowdhury and Albert J. Finestone	176
Diarrhea Syndrome in Hepatic Adenoma		100
Book Reviews:	nald K. Tompkins, and Gary L. Gitnick	182
Topics in Gastroenterology, Vol. 1. By S. C. Truelove and D. P.	Iewell	187
Recent Advances in Gastroenterology. By John Badenoch and Br		187
Gastric Irradiation in Peptic Ulcer. By Walter L. Palmer	yan b. brooke	188
Fiberoscopy of Gastric Disease. By Kenji Tsundoka, Tadayoshi T	Takemoto, and Sotaro Fukuchi	188
Pediatric Clinical Gastroenterology. By Arnold Silverman, C. C.		189
Gastrointestinal Pathophysiology. By Frank P. Brooks	/,	189
Clinics in Gastroenterology. By Ian A. D. Bouchier		190
Letters to the Editor:		
Red-Cell Acetylcholinesterase Activity in Duodenal Ulcer	K. Ahmad and S. A. R. Chowdhury	191
Ampicillin-Associated Diarrhea	Wayne W. Peternel	191
News and Notices	*	193
MARCH		
Cholinergic Stimulation of the Lower Esophageal Sphincter in Pati		
	ichard H. Higgs and Donald O. Castell	195
Relationship between Serum Gastrin Concentration and Lower-Es	ophageal Sphincter Pressure s, Walter J. Hogan, William N. Miller,	
	Ronald C. Arndorfer, and John J. Stef	201
The Absorption and Subsequent Utilization of Lecithin by the Rat		
	odgers, R. J. O'Brien, and J. A. Balint	208
Clindamycin-Associated Colitis J.	L. Unger, W. E. Penka, and C. Lyford	214
The Effect of Cirrhosis on the Disposition and Elimination of Clind		
	Steven Schenker, and Robert H. Alford	223
Major Complications of Coloscopy: Bleeding and Perforation	WILL CIW LIWIN TIT	221
Joseph E. Geenen, Milton G. Schmitt, Jr.,		231
Colonic Epithelial Cells and Polymorphonuclear Leukocytes in U scopic Study	William O. Dobbins III	236
Adenocarcinoma of the Bile Ducts: Relationship of Anatomic Locat		230
	David A. Ingis and Richard G. Farmer	253
The Influence of Food Consumption and Running Activity on the A	activity-Stress Ulcer in the Rat	
•	William P. Paré	262
Torsion of the Wandering Spleen Ja	an J. Smulewicz and Arthur R. Clemett	274
Case Reports:		
Inhibition of Gastric Acid Secretion by Metiamide in Zollinger-E		
Michael Mainardi, Vernon Maxwell, Richard	d A. L. Sturdevant, and Jon I. Isenberg	280
Jaundice Due to Nicotinic Acid Therapy	Baker, Jonas Galper, and Hubert Wolfe	282
The Postcricoid Impression Masquerading as an Esophageal Tu		202
The Postericoid Impression Masquerating as an Esophagear Tu	Gerald W. Friedland and Roy Filly	287
Book Reviews:		
Parenteral Nutrition in Acute Metabolic Illness. By H. A. Lee		292
Total Parenteral Nutrition. By Philip L. White and Margarita E	E. Nagy	292
Obesity: Causes, Consequences, and Treatment. By Louis Lasag	0.	292
News and Notices		202

APRIL

Ampicillin-Associated Diarrhea—A Prospective Study Francis J. Tedesco	295
Effect of Increased Intraabdominal Pressure on Lower Esophageal Sphincter Pressure Wylie J. Dodds, Walter J. Hogan, William N. Miller, John F. Stef, Ronald C. Arndorfer, and Sean B. Lydon	298
Exocrine Pancreatic Function in Juvenile Diabetics	276
W. Domschke, F. Tympner, S. Domschke, and L. Demling	309
Oropharyngeal Dysphagia: Manometric and Cine Esophagraphic Findings Alfred L. Hurwitz, James A. Nelson, and Jean K. Haddad	313
Inflammatory Pseudotumors (Inflammatory Fibrous Polyps) of the Small Intestine: A Clinicopathologic Study Virginia A. LiVolsi and Karl H. Perzin	325
Autoimmune Phenomena in Alcoholic Cirrhosis Horace H. Zinneman	337
Effect of Gastrointestinal Hormones on Vascular Smooth Muscle John W. Fara	346
The Effect of Acute Ethanol Treatment on Lipid-Reesterifying Enzymes of the Rat Small Bowel	
J. B. Rodgers and R. J. O'Brien	354
Transplantation Antigens in Crohn's Disease: Linkage of Associated Ankylosing Spondylitis with HL-Aw27	
A. S. Russell, J. S. Percy, J. Schlaut, V. E. Sartor, J. M. Goodhart, R. W. Sherbaniuk, and E. G. Kidd	359
Pepsin Output after Disruption of the Human Gastric Mucosal Barrier by Taurocholic Acid Kevin J. Ivey and C. Parsons	362
The Role of Bile Reflux in the Development of Cold-Restraint Gastric Lesions	
J. C. Meeroff, G. Paulsen, and P. H. Guth	365
Point of View:	
Use and Abuse of Gastric Function Tests by British and American Gastric Surgeons J. H. Baron, Ward O. Griffen, Jr., and J. Alexander-Williams	370
Case Reports:	
Evaluation of Gut Microflora During Administration of an Elemental Diet in a Patient with an Ileo- proctostomy M. D. Dickman, A. R. Chappelka, and R. W. Schaedler	377
Lower-Esophageal Webs Francis J. Tedesco and William J. Morton	381
Cholangiocarcinoma in a Patient Previously Given Thorotrast Paul K. Johnson and Richard R. Babb	384
Comparative Gastroenterology:	
Digesta Passage and Water Exchange in the Equine Large Intestine Sites of Organic Acid Production and Absorption in the Equine Gastrointestinal Tract Prevention of Bile Reflux-Induced Acute Gastric Ulceration in the Rat by Cholestyramine Studies on the Site of Intestinal Absorption of Copper A Survey of Drug Resistance in Salmonellae Isolated from Animals in England and Wales During 1971 Relation between Viruses from Acute Gastroenteritis in Children and Newborn Calves Absorption and Secretion in the Rabbit Duodenum and Ileum Studies on the Absorption of p-Glucose and t-Leucine from the Isolated Jejunum of Lambs Regression of Active Intestinal Glucose Transport in the Ruminant	391
Letters to the Editor:	
Cirrhosis and Death After Jejunoileal Shunt Josef E. Fischer Reply Jagdish C. Mangla	395 395
News and Notices	396
MAY	370
Computer-Aided Diagnosis of "Dyspepsia" Jane C. Horrocks and F. T. de Dombal	397
Carcinoembryonic Antigen in Patients Suffering from Ulcerative Proctocolitis	371
A. B. S. Mitchell, A. Morton Gill, R. T. Orchard, and R. A. Parkins	407
The Detection of Aberrant DNA Synthesis in a Member of a High-Risk Cancer Family	
Eleanor E. Deschner, Florence C. Long, and Seymour Katz	418

Leukocyte Migration Test in Crohn's Disease, Ulcerative Colitis, and Ankylosing Spondylitis Using Crohn's Colon Homogenate, Mitochondrial, and Microsomal Fractions M. J. Williams, E. R. Richens, K. R. Gough, and R. J. Ancill	425
The Immune Response to \$\phi X\$ 174 in Man. II. Primary and Secondary Antibody Production in Patients with Crohn's Disease R. C. Bucknall, J. Verrier Jones, and D. B. Peacock	430
Alterations in Normal Esophageal Motility in Patients with Chagas' Disease Attila Csendes, Tomas Strauszer, and Pedro Uribe	437
Significance of Gastric Secretory Changes in the Pathogenesis of Stress Ulcers Tatsuo Hase, Pearl R. Anderson, and Benjamin Mehlman	443
Effect of Intragastric Infusion of Tobacco Powder on DNA Content of Gastric Aspirate H. G. Desai, K. Venugopalan, and F. P. Antia	450
Immunoglobulin Characterization of Human Pancreatic Fluid George W. Brasher, Walter P. Dyck, Frank F. Hall, and A. Michael Spiekerman	454
Radioselenium Pancreozymin-Secretin Test as a Clinical Test for Pancreatic Exocrine Function Motoaki Shichiri, Nobuaki Etani, Michio Yoshida, Yutaka Harano, Mitsuru Hoshi, Yukio Shigeta, and Hiroshi Abe	460
Lowered Serum Cholesterol Following the Ingestion of a Hydrophilic Colloid	
Milton M. Lieberthal and Richard A. Martens	469
Inflammatory Pseudotumors (Inflammatory Fibrous Polyps) of the Esophagus: A Clinicopathologic Study Virginia A. LiVolsi and Karl H. Perzin	475
Case Reports:	402
Pulmonary Vasculitis and Ulcerative Colitis John A. H. Forrest and David J. C. Shearman Ulcerative Colitis and Anaphylography Property	482
Ulcerative Colitis and Anaphylactoid Purpura Robert M. Craig, Michael Ashman, Sheldon Feldman, Junji Hasegawa, and Erl Dordal	487
Chylous Ascites and Intestinal Muscular Hypertrophy Occurring in the Course of Celiac Sprue Herbert J. Kaufmann	494
News and Notices	498
JUNE	
The Bole of Fitheresis Feed and in the Discourse of December of De	
The Role of Fiberoptic Endoscopy in the Diagnosis and Management of Duodenal Neoplasms Arnold Wald and Francis D. Milligan	499
Comparative Study of Secretin and Lundh Tests Klaus Gyr, Naurang M. Agrawal, Oscar Felsenfeld, and Robert G. Font	506
Variability of Serum Gastrin Levels in Zollinger-Ellison Syndrome: Studies with Two Antisera to Gastrin Kevin J. Ivey and J. Hansky	513
Thymus-Derived Lymphocytes in Type B Acute Viral Hepatitis and Healthy Carriers of Hepatitis B Sur-	313
face Antigen (HBsAg) Robert C. Wicks, Peter F. Kohler, and John W. Singleton Progress Report:	518
Hormonal Control of Gastrointestinal Motility R. F. Harvey	523
Special Article:	343
Frontiers in Inflammatory Bowel Disease: The Proceedings of a Conference Sponsored by the	
McReynolds Foundation. Part I. Roy G. Shorter and David A. E. Shephard	540
Introduction to a New Section of Gastrointestinal Roentgenology	
Richard L. Wechsler and Wylie J. Dodds	572
Forums in Gastrointestinal Roentgenology:	
Bleeding Meckel's Diverticulum Diagnosed by Arteriography and Radioisotope Imaging David Eisenberg and Charles E. Sherwood	573
Case Reports:	
Primary Adenocarcinoma of the Esophagus Arising in a Columnar-Lined Esophagus Alfred E. Stillman and Jeffrey I. Selwyn	577

Silent Pancreatic Pseudocyst: An Unusual Cause of Extrahepatic Biliary Obstruction James M. Falko, Hagop S. Mekhjian, and Fred B. Thomas		583	
Syphilitic Gastropathy	Terence N. Reisman, F. Lynn Leverett, J. R. Hudson, and Martin H. Kaler	588	
Comparative Gastroenterolo		300	
The Comparative Gastron 1251-Labeled Albumin . Experimental Strangul and Hypokalemia in C Cell Migration in the S Two Weeks of Neonati	enterology Society Studies of Albumin Metabolism in Dogs Using 51Cr-and Biochemistry, Cytology and Microbiology of Equine Peritoneal Fluid After lation Obstruction of the Distal Ileum Hypochloremic Metabolic Alkalosis lattle with Upper-Gastrointestinal Obstruction Effect of Age on Epithelial Small Intestine of Chickens Protein Absorption by Neonatal Pups Through al Life New Concepts in the Pathogenesis of Acute Gastric Dilatation of Inapparent Bovine Paratuberculosis A Case of Avian Tuberculosis of the	594	
Letters to the Editor:			
Correction	Charles N. Carney	599	
Reply	Franz Goldstein	599	
Comment	Editors	599	
Postvagotomy Insulin Info	usion Test William H. Hall	599	
Reply	J. H. Baron and J. Spencer	599	
	JULY		
	ageal Sphincter Pressure and Serum Gastrin Level in Man ucius F. Wright, Robert L. Slaughter, René G. Gibson, and B. I. Hirschowitz	603	
Stimulation of Human Pepsi	in Output by Topical Hydrochloric Acid		
	T. E. Bynum and Leonard R. Johnson Intramural Common Bile Duct as a Determinant of Ductal Opening Pressure F. Tansy, Leslie Salkin, David L. Innes, John S. Martin, Francis M. Kendall, and David Litwack	607	
Inhibitory Effect of L-Glutar Aspirin in the Rat	mine on Gastric Irritation and Back Diffusion of Gastric Acid in Response to Susumu Okabe, Kazuo Honda, Koji Takeuchi, and Kejjiro Takagi	626	
Selective Arteriography in th	ne Diagnosis and Evaluation of Amebic Abscess of the Liver		
	Rafael Lomba Viana	632	
Special Article:			
McReynolds Foundatio	ory Bowel Disease: The Proceedings of a Conference Sponsored by the Roy G. Shorter and David A. E. Shephard	639	
Case Reports:	A L P C P.U.C CP L LOU		
Pancreatoduodenectomy ii	n Annular Pancreas for Relief of Duodenal Obstruction L. Vincent Strully, David N. Schwartz, and Gowd S. Nagaraj	671	
Giant Sigmoid Diverticulu	um: Clinical and Radiographic Features Albert A. Moss	676	
Diffuse Leiomyomatosis o	of the Esophagus: Report of a Case and Review of the Literature nandes, Maria José Mascarenhas, J. Celestino da Costa, and J. Pinto Correia	684	
	is as Complications of a Percutaneous Transhepatic Cholangiogram Helen C. Redman and Ramon R. Joseph	691	
Historical Comment:			
The First Application of Pathology: Hanoi, 1937	Transhepatic Cholangiography to the Localization of Liver or Biliary Tract Richard L. Wechsler and Lawrence Wechsler	699	
Book Reviews:			
The Neurology of Gastroin	ntestinal Disease. By Christopher A. Pallis and Paul D. Lewis	701	
0 0	phy. By Stewart Reuter and Helen C. Redman	701	
The Alimentary Tract—B	Basic Principles and Case Problems. By Harvey J. Dworken	702	

AUGUST

The Adverse Effect of Chocolate on Lower Esophageal Sphincter	Pressure Lewis E. Wright and Donald O. Castell	703
Duodenal Microflora: A Prospective Study in Pediatric Gastrointo	0	703
John D. Lloyd-Still and Harry Shwachman		
Lower Esophageal Sphincter Responses to Enteric Hormones in T drome W. C. Wu, W. J. Hogan, G. E. Whalen, S. E		716
A Controlled Trial of Azathioprine in Crohn's Disease		
9	n, Alfred J. Wall, and Joseph B. Kirsner	721
Layering of Contrast Material in Oral Cholecystography	David Bryk and Ebrahim Moadel	727
Pigment vs Cholesterol Cholelithiasis: Clinical and Epidemiologic Br	ruce W. Trotman and Roger D. Soloway	735
Prothrombin Complex Concentrate: Use in Controlling the Hem ease Rodger L. Bic	orrhagic Diathesis of Chronic Liver Dis- ck, W. R. Schmalhorst, and E. Shanbrom	741
Absorption of Intact Protein by Colonic Epithelial Cells of the Rat		
Bon	nie S. Worthington and Cyril Enwonwu	750
Quantitation of Intestinal-Tissue Layers from Their Histology	M. K. Younoszai and J. C. Ranshaw	764
Forums in Gastrointestinal Roentgenology:		
Multiple Lipomas of the Stomach and Duodenum	B NAME INCLEDE	771
	s, Peter N. Madden, and Wylie J. Dodds	771
Methods and Techniques:	I' D' TI ' I D' '	
A New Technique of Endoscopic Esophageal Biopsy Using Mu of Reflux Esophagitis	J. C. Mangla and T. M. Kalra	775
Case Reports:		
Fiberoptic Endoscopic Diagnosis and Treatment of a Congenita		
	Tuvia Gilat and Paul Rozen	781
Metastatic Malignant Melanoma of the Esophagus	C. B. Wood and R. A. B. Wood	786
Cholangitis Complicating Congenital Hepatic Fibrosis Stephen A. Howlett, Stanford T. Shulman W	n, Elia M. Ayoub, Ronald A. Alexander, filliam H. Donnelly, and James J. Cerda	790
Adenocarcinoma of the Jejunum Associated with Nontropical S		
	Marius Pessah, and Eliyahu Menachemi	796
SEPTEMBER		
Antacid Verus Placebo in Hospitalized Gastric Ulcer Patients: A	Controlled Therapeutic Study Melvin L. Butler and Harvey Gersh	803
Familial Pseudomembranous Colitis and Its Relation to Lincomyo Mary Jo E. Harrod, Michael S. Brown, Art		808
Mechanism of Release of Endogenous Cholecystokinin by Jejunal Atilla Ertan, Frank P. Br	0 .	813
Experimental Chronic Gastric Ulcer Due to Ischemia in Rats		
Paul H. G	outh, Gary Paulsen, and Parvis Foroozan	824
Adaptive Changes in Vitamin B ₁₂ Absorption in Celiac Disease at in Man	nd after Proximal Small-Bowel Resection A. M. Mackinnon, M. D. Short, E. Elias, and R. H. Dowling	835
Achalasia of the Esophagus: A Reappraisal of Esophagomyotomy		033

Parenteral Aspirin Produces and Enhances Gastric Mucosal Lesions and Bleeding in Rats
J. C. Meeroff, G. Paulsen, and P. H. Guth

Constantine Arvanitakis

841

847

Inhibitory Action of Antidiuretic Hormone on Canine Pancreatic Exocrine Flow Herbert Schapiro	853
The Effect of Fasting on the Rate of Intestinal Drug Absorption in Rats: Preliminary Studies	
James M. Orr and Leslie Z. Benet	858
Surfactants and Bioelectric Properties of Rat Jejunum Daniel S. Feldman, Sally Rabinovitch, and Elaine B. Feldman	866
Case Reports:	
Rhabodomyosarcoma of the Duodenum with Sinus Tract Formation into the Gastric Wall, Visualized by Gastroduodenoscopy Kazuki Yamada, Harold O. Douglass, and E. Douglas Holyoke	871
Duodenal-Jejunal Ulcers and Recurrent Hemorrhage: Diagnostic Value of Total Enteroscopy Dean R. Conley, Myra Feffer, and Harvey Cove	876
Chagasic Megaesophagus: Similarity to Achalasia by Manometrics, Radiography, and Response to Pneumatic Dilation Richard E. Raizman, Franklin A. Neva, Ronald J. Eckert, Patrick A. Duffy, and William H. Lipshutz	882
Comparative Gastroenterology:	002
Intestinal Adenomatosis in the Pig Colon Cancer Induction in Mice by Intrarectal Instillation of N-Methyl-N-Nitrosourea In Vivo Intestinal Absorption of Hexose in Growth-Retarded Suckling Rat Pups Gastric Acid Secretion in Newly Born Piglets Intestinal Absorption of p-Xylose and Folic Acid in Patas Monkeys (Erythrocebus patas) Vitamin B ₁₂ in the Blood and in the Liver of Normal and of Totally Gastrectomized Pigsl. The postnatal Development of Intestinal Disaccaridases in the Calf Effect of Polyinosinic-Polycytidylic Acid in Dogs Experimentally Infected with Infectious Canine Hepatitis Virus Cancer of the Pancreas Induced in Syrian Golden Hamsters Differential Effects of Salmon, Porcine, and Human Calcitonin on Gastric Secretion and Gastric Emptying in Rats Bile Formation in the Intact Pig Serum Cholesterol and Cholelithiasis in Rabbits Treated with Pectin and Cholestyramine Round Heart Disease of Turkeys: A New Etiological Approach On Non-Specific Inhibition of Rat Liver Microsomal UDP Glucuronyl-transferase by Some Drugs	889
Book Reviews:	007
Differential Diagnosis of Gastric Diseases. By Keiichi Kawni and Heromichi Tanaka	898
The Liver: Normal and Abnormal Functions. Part A. By Frederick Becker	898
Atlas of Gastrointestinal Surgery. By Ward D. O'Sullivan	899
Let's Talk About Food. By Philip L. White and Nancy Selvey	899
The Esophagus. By W. Spencer Payne and Arthur M. Olsen	900
Coeliac Disease: Proceedings of the Second International Coeliac Symposium. By W. Th. J. M. Hee- kens and A. S. Pena	900
Better Bowel Health. By Marian T. Troy	901
Clinical Dietetics & Nutrition. By F. P. Anita	901
News and Notices	902
OCTOBER	
Metastatic Disease Involving the Stomach Leslie S. Menuck and John R. Amberg	903
The Butterfat Absorption Test in Adults H. Chaun, M. A. Mullinger, P. Solvonuk, I. Ediss, and A. Bogoch	914
Effect of Bombesin on Extragastric Gastrin in Man Nicola Basso, Emanuele Lezoche, Alberto Materia, Sergio Girl, and Vincenzo Speranza	923
Evaluation of Endoscopic Examination of Colon Tumors in Rats	
Tomio Narisawa, Ching-Quo Wong, and John H. Weisburger	928
Altered Bile Acid Metabolism in Vegetarians Gershon W. Hepner	935
Etiology of Strictures of the Colon Associated with Pancreatitis David R. Hunt and Philip Mildenhall	941
Gastric Acid Secretory Differences in Patients with Heineke—Mikulicz and Finney Pyloroplasties William H. Hall and Raymond C. Read	947

è

Esophageal Cancer in Israel: Selected Clinical and Epidemiologica	al Aspects Mordechai Shani and Baruch Modan	951
The Antidiarrheal Action of Bismuth Subsalicylate in the Mouse a	and the Rat	955
0.	, 0	155
Estimation of Hepatic Bilirubin UDP-Glucuronyl Transferase in sis and Liver Disease: Significance and Limitations	D. V. Datta, R. Nair, and C. R. Nair	961
Methods and Techniques:		1
The Effect of Manometric Assembly Diameter on Intraluminal Sean B. Lydon, Wylie J. Dodds, Wa	Esophageal Pressure Recording lter J. Hogan, and Ronald C. Arndorfer	968
Progress Report:		
Salicylazosulfapyridine in Inflammatory Bowel Disease	Kiron M. Das and Irmin Sternlieb	971
Case Reports:		1
Pancreatic Ascites: The Role of Endoscopic Pancreatography	Robert E. Davis and David Y. Graham	977
Gastric Cystic Polyposis Ran	es C. Chakravorty and Peter F. Schatzki	981
Widespread Calcified Metastases from Adenocarcinoma of the J	Jejunum	
Arthur T. Rosenfield	l, Roger C. Sanders, and L. Evan Custer	990
A Case of Postgastrectomy Afferent Loop Obstruction Seconda Pseudocyst of the Pancreas Joel S. Fo	ry to Cancer of the Stomach Simulating eiss, Donald J. Plevy, Gary S. Luckman, and Oscar S. Lenit, Jr.	995
Book Reviews:		
Physiology of Mastication, Vol. 1. By Y. Kawamura		999
Gastric Intrinsic Factor and Other Viatmin B ₁₂ Binders. By Geo	orge B. Jerzy	999
Progress Reports from Gut: Series 2. By Sheila Sherlock		999
Bilayer Lipid Membranes (BLM), Theory and Practice. By. H.	Ti Tien	1000
News and Notices		1001
NOVEMBER		
The Role of Urinary Indican as a Predictor of Bacterial Colonizati	ion in the Human Jejunum P. J. Mayer and W. L. Beeken	1003
Pancreatic Excretion of 5,5-Dimethyl-2,4-Oxazolidinedione in No		1003
Aiji Noda, Tetsuo Hayakawa, Sumio Nakajim		1011
Pancreatic Excretion of 5,5-Dimethyl-2,4-Oxazolidinedione in Pa		
	Aoki, Yuji Horiguichi, and Yasushi Toda	1019
Electrical Activity of the Ovine Jejunum and Changes due to Distr	Yves Ruckebusch and Lionel Bueno	1027
Prostaglandin E in Cholera Toxin-Induced Intestinal Secretion. L		1035
Electrical Activity and Intraluminal Pressures in the Lower Small		1040
	Duke, T. E. Kostuch, and O. A. Evanson	1047
Forums in Gastrointestinal Roentgenology:	Buke, T. E. Rostucii, and O. A. Evanson	1047
Pancreatic Pseudocyst Diagnosed by B-Scan Ultrasonography		
	Stuart D. Wilson, and Samuel E. Hoke	1059
Methods and Techniques:	, stant 2. Though and summer 2. Front	1007
Measurement of Gastric Emptying Time—A Comparative S Method and New Radioisotopic Technique	Study Between Nonisotopic Aspiration	
Tapan K. Chaudhuri, Alan J. Greenwald, Rober	rt C. Heading, and Tuhin K. Chaudhuri	1063
Case Reports:		
A Complication of Prlonged Intestinal Intubation: Gaseous Dist	tention of the Terminal Balloon	
	John Rozanski and Morris Kleinfeld	1067

Reversible Enteritis and Lymphopenia in Infantile X-Linked A		
Joung Wye Rhee, Joyce D. Gryboski, Daniel G. Sheahan,		1071
Custic Lumphanaiamusma of the Color Couries Bostois Luis	M. Dwyer	1071
Cystic Lymphangiomyoma of the Colon Causing Protein-Losin	H. Laurence, H. Sheiner, and J. Pollard	1076
Paraprosthetic-Enteric Fistula. Role of Preoperative Endoscopy		10/0
	. Greenberger, and Creighton A. Hardin	1081
Editorial:	0 /	
Chronic Hepatitis—1975	W. H. J. Summerskill	1087
The Need for Humanism and "Clinicalism" in Today's Educat	0	1091
Letters to the Editor:	5 1	
Clindamycin-Associated Colitis	William R. Bartle	1094
Reply	J. L. Unger, W. E. Penka, and C. Lyford	1094
Les Pressure	Donald O. Castell	1094
Reply	Alan A. Bloom	1095
Ampicillin-Associated Diarrhea	Eliot Siegel and Lawrence Wechsler	1095
Reply	Francis J. Tedesco	1096
Caerulein as Pancreatic Stimulant	A. Ribet and N. Vaysse	1097
Comparative Gastroenterology:		
of Porcine Secretin and Extracts of Chicken Duodenum on Pan Turkey Colon Cancer Inducation in Mice by Intrarectal In In Vivo p-Glucose Absorption in the Developing Rat Small Inte	stillation of N-Methyl-N-nitrosourea	
In Vivo p-Glucose Absorption in the Developing Rat Small Into Books Reviews:	estine	1098
A Digest of Digestion. By Horace W. Davenport		1102
Alcoholic Liver Pathology. By J. M. Khanna, V. Israel, and H.	Kalant	1102
DECEMBER		
Prospective, Randomized Study of Diagnosis and Outcome in Acu doscopy Versus Conventional Radiography	te Upper-Gastrointestinal Bleeding: En-	
David W. Morris, Gary M. Levine, Roger D. Soloway, V Pancreatic Ascites: Diagnostic Importance of Ascitic Lipase	Vallace T. Miller, and Geobel A. Marin	1103
	atish K. Chawla, and Philip A. LoPresti	1110
Jejunal Fluid and Electrolyte Secretion in Carcinoid Syndrome	Mark Donowitz and Henry J. Binder	1115

	minority v. oneo, o	ation is Charta, and I mip is 20, icon	
Jejunal Fluid and Electrolyte Secretion in Carc	inoid Syndrome	Mark Donowitz and Henry J. Binder	111
Metiamide in the Zollinger-Ellison Syndrome			
E. L. Blair, E. R. Grund, I. T	. Miller, J. D. Rec	d, D. J. Sanders, M. H. Thompson, and	
		C. W. Venables	112
Mallory-Weiss Syndrome in Perspective		Jack L. Saylor and Francis J. Tedesco	113
Early Clinical Experience with Metiamide, a line denal Ulcer		eptor Antagonist, in Patients with Duo- J. D. Reed, G. Dale, and C. W. Venables	113
	a. ri. i nompson,	. D. Reed, G. Dale, and C. W. Venables	113
Progress Reports:			
Fatty Liver: Biochemical and Clinical Consid	lerations		
Anastacio M. Hoyumpa, Jr	, Harry L. Greene	, G. Dewey Dunn, and Steven Schenker	114
Ricinoleic Acid: Current View of an Ancient	Oil	T. S. Gaginella and S. F. Phillips	117

Case	D.	ha	
Case	re	DO:	765.

ase Reports.		
Pancreatic Ascites: A Case Report and Revie	w of the Literature José M. Munoz and Shyamal Bose	1178
Reye's Syndrome in an Adult	Richard S. Morse, A. William Holmes, and Stuart Levin	1184
The Role of Additives in Allergic Vasculitis of	luring Intravenous Hyperalimentation	
	Robert P. Perrillo, Francis J. Tedesco, and Leslie Wise	1191
Angiographic Management of Bleeding Follo	owing Transcolonoscopic Polypectomy	
	Dennis R. Carlyle and Harvey M. Goldstein	1196
leves and Natices		1202

